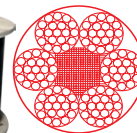


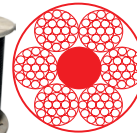
CABLE DE ACERO CON ALMA DE FIBRA 6 X 19

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5112	6X19	1/4"	500m	70	1670	RHRL	2,112	352
HK5113	6X19	5/16"	500m	110.5	1670	RHRL	3,296	549
HK5114	6X19	3/8"	500m	156	1670	RHRL	4,755	793
HK5116	6X19	1/2"	500m	279	1670	RHRL	8,439	1,407
HK5118	6X19	5/8"	500m	438	1670	RHRL	13,224	2,204
HK5119	6X19	3/4"	500m	630	1670	RHRL	19,082	3,180



CABLE DE ACERO CON ALMA DE ACERO 6 X 19

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5120	6X19	1/4"	500m	78	1670	RHRL	2,316	386
HK5121	6X19	5/16"	500m	122	1670	RHRL	3,571	595
HK5122	6X19	3/8"	500m	172	1670	RHRL	5,143	857
HK5123	6X19	1/2"	500m	307	1670	RHRL	9,122	1,520
HK5125	6X19	5/8"	500m	481.5	1670	RHRL	14,306	2,384
HK5126	6X19	3/4"	500m	695	1670	RHRL	20,643	3,441



CABLE DE ACERO GALVANIZADO 7 X 19

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5127	7x19	3/32"	457m	10.1	1770	RHRL	378	63
HK5128	7x19	1/8"	457m	17.8	1770	RHRL	673	112
HK5129	7x19	3/16"	457m	40.2	1770	RHRL	1,510	252
HK5185	7 X 19	1/4"	100m	15.6	1770	RHOL	2,673	446
HK5130	7x19	1/4"	457m	71.3	1770	RHRL	2,673	446
HK5178	7x19	5/16"	457m	111.5	1770	RHRL	4,122	687
HK5179	7x19	3/8"	457m	157.2	1770	RHRL	5,939	990
HK5182	7x19	1/2"	457m	281	1770	RHRL	10,541	1,757



CABLE DE ACERO GALVANIZADO 7 X 7

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5131	7x7	3/32"	100m	2.2	1770	RHRL	408	68
HK5132	7x7	1/8"	100m	4	1770	RHRL	714	119
HK5133	7x7	3/16"	100m	8.9	1770	RHRL	1,612	269
HK5171	7x7	1/16"	100m	1	1770	RHRL	184	31
HK5172	7x7	1/16"	457m	4.6	1770	RHRL	184	31



CABLE DE ACERO GALVANIZADO 7 X 19 CON FORRO PVC

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5137	7x19	1/8 - 3/16"	100m	5.5	1770	RHRL	673	112
HK5135	7x19	1/8 - 3/16"	457m	25.2	1770	RHRL	673	112
HK5181	7x19	3/16 - 1/4"	100m	11	1770	RHRL	1,510	252
HK5180	7x19	3/16" - 1/4"	457m	50.3	1770	RHRL	1,510	252



CABLE DE ACERO GALVANIZADO 7 X 19 CON FORRO PVC NEGRO

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5183	7x19	3/16 - 1/4"	457m	50.3	1770	RHRL	1,510	252



CABLE DE ACERO GALVANIZADO 7 X 7 CON FORRO PVC

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5186	7x7	3/32"	457m	12.6	1770	RHOL	378	63
HK5187	7X7	3/32"	100m	2.8	1770	RHOL	378	63
HK5188	7x7	1/16"	100m	1	1770	RHOL	184	31





INSPECTION REPORT

Inspection report N° : B-50/2017
Report submission date : June 19, 2017

A. Project:	N/A	B. Supplier:	
Project Ref. No.:	-	Details:	-
Invoice No.:	NDM-1665	Job No:	-
C. Inspection:	-	D. Sub-Supplier:	-
Customer Ref.No:	-	Details:	-
Int. Ref. No (EA):	-	Job No:	-
E. Customer:	HERRAMIENTAS IMPORTADAS MONTERREY	F. Place of Inspection:	
Country:	Mexico	Contact Person:	
Customer Ref. No.:	-	Address:	
G. Executing SGS office data:	SGS Korea Co., Ltd	Phone/Fax:	
Country:	Korea	Email-Address:	
Coordinator:	Ms. JiHo, Song	P.O. at supplier:	

H. Inspection type:	Spot inspection ☒	Project inspection ☐
Pre-production ☐	During production ☐	Pre-Shipment ☐

I. Scope of Work:	Requested			Performed	Comments
	inspect	witness	review		
Visual Inspection	☒	☒	☐	☒	-
Dimensional Inspection	☒	☒	☐	☒	-
Mechanical Test	☒	☒	☐	☒	-
Quantity check	☒	☒	☐	☒	-
Packing condition check	☒	☒	☐	☒	-
Document Review	☒	☐	☒	☒	-

J. Equipment/Goods requested for inspection:	Galvanized/UnGalvanized Steel Wire Rope / 268 Reels sets	Deviations during inspection: No (if yes, see report details)
K. Applicable Norms, Standards and specifications:	- GB/T20118-2006	Verified during inspection: ☒



INSPECTION REPORT

Inspection report N° : B-50/2017-
Report submission date : June 19, 2017

L. Referenced Documents:	Reference No	Rev No.	Attached to request	At place of inspection	Document used
Commercial Invoice	NDM-1665	0	☐	☒	☐

M. Inspection Dates: June 19, 2017

N. No. of inspection man days:
(based on 8h) 1 days

O. Inspection result:	☒ satisfactory ☐ conditionally accepted (see report details) ☐ non conforming (see report details) ☐ rejected (see report details) ☐ aborted inspections (see report details)	P. NCR/Punch list issued: ☒ No ☐ Yes (see report details)
	Q. Inspection summary and short conclusion: The following inspections were carried out at this visit - Visual inspection: Satisfactory - Dimension inspection: Satisfactory - Mechanical test(T/S): Satisfactory - Quantity check: Satisfactory - Packing condition check: Satisfactory - Document review: Satisfactory	

Inspector:

DongHyun Kim



Date: June 19, 2017

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INSPECTION REPORT

Inspection report N° : B-50/2017
Report submission date : June 19, 2017

R. REPORT DETAILS

R.1. Attendees

Company	Name	Position	E-mail
SGS Korea	DongHyun, Kim	Inspector	peter.kim@sgs.com

R.2. Documents used

See above Para. L

R.3. Measuring equipment used

Description	Serial No.	Validity Date
Tensile testing M/C	103	2017. 11. 03
Vernier Caliper 0 ~ 200mm	-	-

R.4. Equipment / Goods inspected

No.	Description	Type	Length (Meter)	IQ'ty (Reel)
1	Steel Wire Rope	6x19+FC 15.9 RHOL GB 1670	500	18
2	Steel Wire Rope	6x19+IWRC 12.7 RHOL GB 1670	500	18
3	Steel Wire Rope	6x19+IWRC 15.9 RHOL GB 1670	500	6
4	Galvanized Steel Wire Rope	7x19+WMC 6.4 RHOL GB 1770	457	70
5	Galvanized Steel Wire Rope	7x19+WMC 6.4 RHOL GB 1770	100	100
6	Galvanized Steel Wire Rope	7x19+WMC 9.5 RHOL GB 1770	457	55
7	Steel Wire Rope	6x19+FC 9.53 RHOL GB 1670	500	1
Total				268

R.5. Inspection activities and results

5.1 Visual inspection

One(1) reel per each size was opened and visually inspected by us and found to be in good condition without harmful defects.

5.2 Dimension Inspection

The dimension of wire rope randomly selected one(1) reel per each size was checked, and the result was satisfactory within the permissible tolerance.

No.	Type / Dia.	Actual Rope Dia. mm
1	6x19+FC 15.9 mm RHOL GB 1670	16.13
2	6x19+IWRC 12.7 mm RHOL GB 1670	12.80
3	6x19+IWRC 15.9 mm RHOL GB 1670	16.06
4	7x19+WMC 6.4 mm RHOL GB 1770	6.46
5	7x19+WMC 6.4 mm RHOL GB 1770	6.46
6	7x19+WMC 9.5 mm RHOL GB 1770	9.60
7	6x19+FC 9.53 mm RHOL GB 1670	9.67



INSPECTION REPORT

Inspection report N° : B-50/2017
Report submission date : June 19, 2017

5.3 Mechanical test

One rope per each size was selected at random and tested under our witness, and the results were acceptable as follows:

No.	Description	Type	Specified T/S of Wire (Kg/mm ²)	Actual T/S of Wire (Kg/mm ²)
1	Steel Wire Rope	6x19+FC 15.9 RHOL GB 1670	Min. 170	214.8
2	Steel Wire Rope	6x19+IWRC 12.7 RHOL GB 1670	Min. 170	175.3
3	Steel Wire Rope	6x19+IWRC 15.9 RHOL GB 1670	Min. 170	178.0
4	Galvanized Steel Wire Rope	7x19+WMC 6.4 RHOL GB 1770	Min. 180	190.5
5	Galvanized Steel Wire Rope	7x19+WMC 6.4 RHOL GB 1770	Min. 180	190.5
6	Galvanized Steel Wire Rope	7x19+WMC 9.5 RHOL GB 1770	Min. 180	199.5
7	Steel Wire Rope	6x19+FC 9.53 RHOL GB 1670	Min. 170	186.2

5.4 Quantity

Found to be same as declared above R.4 (Total 268 reels)

5.5 Packing condition

The wire ropes were coiled on reel drum, wrapped by plastic corrugation Sheet, then strapped by P.P bands. The packing was in good condition.

5.6 Document Review

The following documents prepared by manufacturer were reviewed, and the results were satisfactory with our endorsement.

- Packing List
- Test report.
- Mill certificate
- Calibration certificate.

R.6. Non Conformities

None

R.7. Actions required

None

R.8. Conclusion

The results were satisfactory based on the above inspections.

R.9. Attachments

- Packing List
- Test report.
- Mill certificate
- Calibration certificate.

Total: 14 pages



INSPECTION REPORT

Inspection report N° : B-50/2017
Report submission date : June 19, 2017

S. Inspection Photos



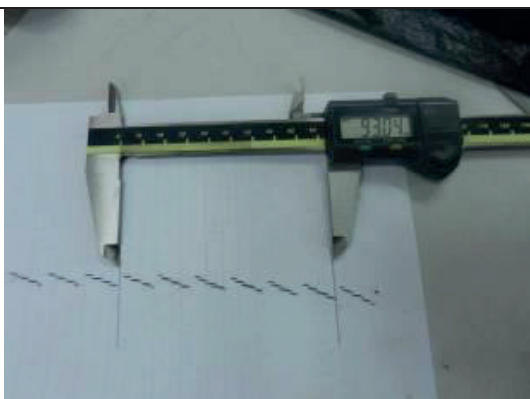


INSPECTION

Inspection report N° : B-50/2017
Report submission date : June 19, 2017



Dimension check



Dimension check



Mechanical test



Calibration label of Test machine



Packing Condition





INSPECTION REPORT

Inspection report N° : B-50/2017
Report submission date : June 19, 2017



Packing condition



Marking on reel